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THIRTEENTH ANNUAL REPORT

OF THE

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OF THE

MUSEUM

OF

WESLEYAN UNIVERSITY.

(EIGHTH OF PRINTED SERIES.)

MIDDLETOWN, CONN.:

PELTON & KING, STEAM PRINTERS AND BOOKBINDERS.

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OFFICERS OF THE MUSEUM,

FOR THE YEAR 1883-4.

JOHN W. BEACH, D. D., LL. D., - *President of the University.*

WILLIAM NORTH RICE, PH. D., *Professor of Natural History,
and Curator of the Museum.*

WALTER B. BARROWS, B. S., - - - - *Assistant.*

Thirteenth Annual Report.

To the Board of Trustees of Wesleyan University :

The Curator of the Museum respectfully submits the following, as the Report for the year closing June 26th, 1884:—

There has been no change in the personnel of the Museum since the last report.

The year has been an uneventful one in the history of the Museum. It has not been found practicable to carry out the design, which has been in contemplation for some years, of making a general re-arrangement of the Museum. Much work has been done in the identification, labeling, and cataloguing of specimens—work, which, however important and even necessary, makes but little show in comparison with the time consumed.

The list of accessions, published as an appendix to this report, indicates gratifying progress in many directions, and bears testimony to the liberality of numerous friends of the Institution. A few of the accessions demand especial notice.

The most important single accession during the year is a collection of ethnological specimens from China, presented by Rev. Marcus L. Taft, a graduate of the University, now a missionary in Chinkiang, China. The collection embraces many articles of great interest and value; and the objects in general are exceedingly well selected, affording excellent illustration of the clothing, useful and decorative arts, and religion, of that remarkable nation. In the report for 1880-1, occasion was taken to point out the opportunity which alumni engaged in the foreign missionary work have to collect valuable material, especially for the ethnological department of the Museum.

Those remarks could find no better illustration than in such a donation as that of Mr. Taft. Mr. Taft's collection was accompanied by a suite of specimens of exports and imports, from Hon. G. A. Allcot, of the Imperial Custom-house, Chinkiang. Such a collection is exceedingly instructive and valuable.

The Zoological Department has received a number of important accessions. Henry L. Osborn, Ph. D., the former Assistant in the Museum, has added another to his previous valuable gifts, in contributing a collection of marine invertebrates from Hampton, Virginia. These were obtained by Mr. Osborn in connection with his work in the Zoological Laboratory of Johns Hopkins University; and most of them are preserved by special methods of treatment so as to be suitable for histological study. Mr. Barrows has made considerable collections on the shore of Buzzard's Bay. L. N. Johnson, of this year's graduating class, an enthusiastic student in several departments of Natural History, has contributed a large number of insects collected near Easton, Conn. By exchange and donation, very satisfactory progress has been made towards the formation of a new collection of pinned insects, the old collection having been mostly destroyed, as was stated in a former report.

Among the accessions to the Mineralogical Department is a crystal of Monazite, from Hale's Quarry, Portland, Conn., collected and presented by L. N. Johnson. This discovery is interesting as adding a fourth to the list of minerals new to this vicinity, which we have been able to chronicle within the last two or three years. The three species previously reported are Samarskite, Rhodonite, and Torbernite.

An interesting addition to the Geological Department is a specimen of ashes from the eruption of Krakatoa in August, 1883, obtained from the deck of a vessel which was in the Straits at the time of the eruption. The specimen was presented to the Museum by A. R. Crittenden, Esq.

During the year a careful inventory has been made of the various departments of the Museum. The following is an approximate statement of the number of specimens in the various departments:—

DEPARTMENT OF ARCHEOLOGY AND ETHNOLOGY.

Weapons,	-	-	-	-	-	-	-	-	500
Domestic utensils,	-	-	-	-	-	-	-	-	700
Articles of clothing,	-	-	-	-	-	-	-	-	100
Ornaments,	-	-	-	-	-	-	-	-	300
Coins and medals,	-	-	-	-	-	-	-	-	1,200
Miscellaneous specimens,	-	-	-	-	-	-	-	-	500

DEPARTMENT OF ZOOLOGY.

Mammals—skins mounted and unmounted,	-	-	-	-	-	-	-	200
alcoholic,	-	-	-	-	-	-	-	50
skulls and skeletons,	-	-	-	-	-	-	-	110
Birds—skins mounted and unmounted,	-	-	-	-	-	-	-	1,500
nests and eggs,	-	-	-	-	-	-	-	450
Reptiles,	-	-	-	-	-	-	-	350
Amphibians,	-	-	-	-	-	-	-	125
Fishes,	-	-	-	-	-	-	-	2,100
Insects—pinned and alcoholic,	-	-	-	-	-	-	-	3,200
nests, borings, &c.,	-	-	-	-	-	-	-	50
Crustacea,	-	-	-	-	-	-	-	1,500
Worms,	-	-	-	-	-	-	-	1,800
Mollusks—shells,	-	-	-	-	-	-	-	90,000
alcoholic,	-	-	-	-	-	-	-	4,000
Echinoderms,	-	-	-	-	-	-	-	1,000
Coelentera,	-	-	-	-	-	-	-	1,500
Sponges and Protozoa,	-	-	-	-	-	-	-	100

DEPARTMENT OF BOTANY.

Plants in Herbarium,	-	-	-	-	-	-	-	10,000
Specimens of wood,	-	-	-	-	-	-	-	300
Miscellaneous botanical specimens,	-	-	-	-	-	-	-	600

DEPARTMENT OF GEOLOGY AND MINERALOGY.

Fossils—Paleozoic,	-	-	-	-	-	-	-	2,500
Mesozoic,	-	-	-	-	-	-	-	800
Cenozoic,	-	-	-	-	-	-	-	1,000
Minerals and rocks,	-	-	-	-	-	-	-	9,200

The estimated value of the collections is \$33,480.

APPENDIX.

List of Accessions.

- Agassiz Association.—Three examples of the common cat, *Felis domestica* (foetal); three pinned insects, Middletown.
- Allcot, Hon. G. A.—Over four hundred and fifty samples of the imports and exports of China, from the custom-house at Chinkiang, China.
- Alsop, Miss Clara.—Very large cone from South America.
- Andrews, Geo. S.—Very large crystal of Orthoclase, Portland, Conn. (Purchased.)
- Barrows, W. B.—One hundred or more miscellaneous zoological specimens from Pocasset, Mass.; insects and reptiles from the vicinity of Middletown; minerals from the Portland feldspar quarries.
- Biological Laboratory.—Stomach of lobster; skull of common calf, *Bos taurus*.
- Coleman, Rev. N.—Two scorpions from Marshall, Texas; a pair of beetles, *Passalus cornutus*, from the same locality.
- Crawford, Rev. A. K.—Horned toad, *Phrynosoma cornutum*, California.
- Crittenden, A. R.—Gall on twig of hawthorn; common robin, *Turdus migratorius*, in a very unusual, black and white plumage; very young eels, *Anguilla rostrata*, from the Medomak River, Maine; volcanic ashes from the great eruption of Aug. 25, 1883, at Krakatoa, Java.

- Demming, Joseph.—Six species of birds' eggs, from Middletown and vicinity. (Exchange.)
- Dwight, Prof. W. B.—Specimens of the crustacean, *Hippa talpoida*, and larvæ of the king crab, *Limulus polyphemus*, from Martha's Vineyard, Mass.
- Flood, Milton J.—Five species of minerals from Bolton and Sterling, Mass. (Exchange.)
- Gardiner, Rev. F., D. D.—Specimens of chloritiferous trap, Hartford, Conn.
- Goff, ———.—Five sets of birds' eggs, Portland, Conn. (Exchange.)
- Hall, Lovell.—Abnormal branch of the blackberry, *Rubus*, Middletown.
- Harrington, Karl P.—Specimens of Apatite, Garnet, and Tourmaline, Paris, Me.
- Hazen, Rev. A. W.—Four-legged chicken, Middletown.
- Hulbert, Thomas H.—Specimen of crystallized copper, Calumet, Mich.
- Jackson, F. A.—Silurian and Devonian fossils, from the vicinity of Belleville, N. Y.
- Jackson, Miss ———.—Large spider, Middletown.
- Johnson, L. N.—Two hundred or more insects from the vicinity of Easton, Conn.; rose-breasted grosbeak, *Goniaphea ludoviciana*, Middletown; crystals of Monazite, Portland, Conn.
- Judd, J. S.—Four stone implements, locality unknown.
- Loomis, A. E.—Young painted tortoise, *Chrysemys picta*, Middletown.
- Magee, L. J.—Magnetitiferous trap-rock, Beseck Mt., Conn.
- Marthan, J. B.—Small snake, Middletown.
- Mudge, Rev. James.—Miscellaneous zoological collection from India.
- Osborn, Henry L.—Several hundred marine invertebrates from Hampton, Va.; large number of pinned insects, mostly coleoptera, from various localities.
- Rice, E. L.—Fifty-seven pinned insects, mostly lepidoptera, from vicinity of Middletown.

- Rice, Prof. W. N.—Lithological specimens, from the vicinity of Lynn, Mass.; fossil fish from the Triassic beds of Middlefield, Conn.; field mouse, *Arvicola riparia*, Middletown; granite with traces of Autunite, Haddam, Conn.
- Rice, Mrs. W. N.—Specimens of the bird's nest fungus, *Cyathus*, Middletown.
- Roe, C. A.—Noctuid moth, *Erebus*, Middletown.
- Scott, Charles, Jr.—Beetle, *Alaus oculatus*, Middletown.
- Smithsonian Institution.—Five species of North American bird-skins, various localities. (Exchange.)
- Spinney, Joseph S.—Three stalactites, from Peru, S. A.
- Stevens, Wm. H.—Two Indian spear-heads (stone); eggs and larvæ of the moth, *Anisota senatoria*, Cromwell, Conn.
- Stevens, Miss ——.—Sixteen specimens of lepidoptera, Cromwell, Conn.
- Taft, Rev. Marcus L.—Upwards of one hundred ethnological specimens, from Chinkiang, China.
- Tateum, W. A.—About twenty-five specimens of coal plants, from Plymouth, Pa.
- Ward, H. D. A.—Egg of *Python*; metamorphosed contents of an Easter egg.
- Winchester, Prof. C. T.—Beetle, *Alaus oculatus*, vicinity of Middletown.
- Woods, Chas. D.—Rough-legged hawk, *Archibuteo lagopus sancti-johannis*, South Windsor, Conn.

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